Name of Work: Providing and Fixing LED Lights at Yelahanka Division.

Date of Measurement :

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
8	Fabricating, Supplying and errection of decorative bent type Conical Street light pole with hot dip Galvanized with BSEN 10025 grade S 355 JO Steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet for MCBs as per IS Specifications.suitable to withstand the wind speed. The total height of the pole 9 mtrs. The pole should have 2 nos of pole esthetically bent either side. The dimensions of the pole bottom 178 mm,at 9 mtrs height 70 mm 3mm thick and one number of 3 mtr height perforated pole having colour changing LED Fixture, inside as suitable to the picture. The base plate size of 350mm x 350mm x 18 mm and the pole shall be galvanized with not less than 65 micron etc and finally finished with paint as required with two different colour. (With out foundation). As per the enclosed pictures and as per IS standards. As per attached Drawing						
	Allalssundra Flyover to Yes Bank (Via Janapriya Appartment, Swimming pool, LBS Nagara and 80 Feet Road)	86				86.00	
	Bellary Road Near Allalsandra flyover	5				5.00	
	Allalsandra Lake compound From Chikkabomasandra	2				2.00	
					Present Qty	**93.00**	**Nos**

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29/3/24

For M/s SURAKSHA ELECTRICALS

Proprietor

ARTHA ASSOCIATES

Authorised Signatory

Contractor Consultant Assistant Engineer Asst. Executive Engineer,

Name of Work: Providing and Fixing LED Lights at Yelahanka Division.

Date of Measurement :

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
9	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation.Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED efficiency>130lm/w, nominal CRI >75.Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body LED Floodlight 150W part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be						
	Allalssundra Flyover to Yes Bank (Via Janapriya Appartment, Swimming pool, LBS Nagara and 80 Feet Road)	172				172.00	
	Bellary Road Near Allalsandra flyover	10				10.00	
	Allalsandra Lake compound From Chikkabomasandra	4				4.00	
	NE/04/TC-06/AL/02/0 opp tp Janapriya Appartment	1				1.00	
	NE/04/TC-06/AL/03/0 opp tp Janapriya Appartment	1				1.00	
	NE/04/TC-06/AL/04/0 opp tp Janapriya Appartment	1				1.00	
	New pole Near auto Stand opp tp Janapriya Appartment	1				1.00	
	New pole 5- Star Chicken opp tp Janapriya Appartment	1				1.00	
	Ward no 04, #531 23rd Crs18 th Main Juditial Layout	1				1.00	
	New pole # B-2/78 SFS Near MLA office	1				1.00	
	NE/04/TC-20/YNT/7B/10B/08	1				1.00	
	NE/04/TC-20/YNT/7B/10B/04	1				1.00	
	New pole SFS-59 8th B Main Road	1				1.00	
	New pole SFS-17 11th B Main Road	1				1.00	
	New pole SFS-B1-/20 11th B Main Road	1				1.00	
	New pole SFS-B1-/16 11th B Main Road	1				1.00	
	Alfa Automobile Garrage New town Police Station road	1				1.00	
	New town Police Station Compound	1				1.00	
	Reddy Mess road 7th B Main Rto Complex	1				1.00	
	NE/03/TC-77/SRL/08/00/04 # 33 Attour layout	1				1.00	
	NE/03/TC-77/SRL/08/00/02	1				1.00	
	NE/04/TC-20/YNT/00/14B/02	1				1.00	

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	Srinivas ACP 1st Main Janavi enclave Prakrutinagara ward No 05	1				1.00	
	Srinivas ACP 1st Main Janavi enclave Prakrutinagara ward No 05 2nd fitting	1				1.00	
	Ward No 05 Kempegowda Badavane	1				1.00	
					Present Qty	**208.00**	**Nos**

For M/s SURAKSHA ELECTRICALS

Proprietor

Contractor for Consultant

Authorised Signatory

Assistant Engineer

Asst. Executive Engineer,

Name of Work: Providing and Fixing LED Lights at Yelahanka Division.

Date of Measurement :

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
10	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 3.5 core 25 sqmm						
	Royal Archade Gate Panel Board to Left Side 1St Pole	1	14.00			14.00	
	1st pole to 7 Th pole 34 Mtrs x 6 spans	1	204.00			204.00	
	Royal Archade Gate Panel Board to Right Side 1St Pole	1	18.00			18.00	
	1st pole to 7 Th pole 35 Mtrs x 6 spans	1	210.00			210.00	
	Opposite to Allalsandra Lake Gate Panel board to Left side 1st pole	1	12.00			12.00	
	1st pole to 12 th pole 11 Spansx34 Mtrs	1	374.00			374.00	
	Opposite to Allalsandra Lake Gate Panel board to Right side 1st pole	1	18.00			18.00	
	LBS Nagara opp Temple Panal Board To Left Side 1st Pole	1	18.00			18.00	
	LBS Nagara opp Temple Panal Board To Left Side 1st Pole to 2nd pole	1	34.00			34.00	
	LBS Nagara opp Temple Panal Board To Right Side 1st Pole	1	22.00			22.00	
	LBS Nagara opp Temple Panal Board To Right Side 1st Pole to 12th pole 11 Spansx 34 Mtrs	1	374.00			374.00	
	LBS Nagara High Mast Panel to left Side 1st pole	1	28.00			28.00	
	1st pole to 5th pole 4 Spansx 34mtrs	1	136.00			136.00	
	Left side to Right Side Crossing	1	34.00			34.00	
	Right Side BWSSB Side 4 Spans x 34 Mtrs	1	136.00			136.00	
	Opp to Cambridge School 80 feet Road Panel to Left side 1st pole	1	22.00			22.00	
	Left side 1st pole to 11th pole 10 Spans x 36 Mtrs	1	360.00			360.00	
	Opp to Cambridge School 80 feet Road Panel to Right side 1st pole	1	22.00			22.00	
	Right side 1st pole to 12th pole 11 Spans x 36 Mtrs	1	396.00			396.00	
	oop to Blue Dart Courier Service 80Feet Road Panel Board to Right side 1st pole.	1	24.00			24.00	
	Right side 1st pole to 10th pole 10 Spans x 36 Mtrs	1	360.00			360.00	
	oop to Blue Dart Courier Service 80Feet Road Panel Board to Left side 1st pole.	1	24.00			24.00	
	left side 1st pole to 9th pole 8 Spans x 36 Mtrs	1	288.00			288.00	
	Bellary Road 5 Poles 4 Spansx42 Mtrs	1	168.00			168.00	
					Present Qty	**3296.00**	**Mtrs**

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For M/s SURAKSHA ELECTRICALS

Proprietor

Contractor Consultant

Assistant Engineer

Asst. Executive Engineer,

Name of Work: Providing and Fixing LED Lights at Yelahanka Division.							
Date of Measurement :							
Detailed Measurements							
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
11	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 3.5 core 35 sqmm						
	BESCOM Pole to Panel Board Near Royal Archade Gate	1	42.00			42.00	
	BESCOM Pole to Opposite to Allalsandra Lake Gate Panel board	1	56.00			56.00	
	BESCOM Pole to LBS Nagara opp Temple Panal Board	1	58.00			58.00	
	BESCOM Pole to Opp to Cambridge School 80 feet Road Panel	1	54.00			54.00	
	BESCOM Pole to Opp to Blue Dart Courier Service 80Feet Road Panel Board	1	70.00			70.00	
	BESCOM Pole to New Road towards Chikkabhomasandra and LBS nagara main road corner Panel board	1	42.00			42.00	
	BESCOM Pole to Panelboard Bellary Main Road	1	66.00			66.00	
					Present Qty	**388.00**	**Mtrs**

For M/s SURAKSHA ELECTRICALS

Proprietor

Contractor

AARTH ASSOCIATES
Authorised Signatory

Consultant

Assistant Engineer

Asst. Executive Engineer,

Name of Work: Providing and Fixing LED Lights at Yelahanka Division.							
Date of Measurement :							
Detailed Measurements							
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
12	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required In existing trench/duct. 25 sqmm to 75 sqmm						
	Royal Archade Gate Panel Board to Left Side 1St Pole	1	14.00			14.00	
	1st pole to 7 Th pole 34 Mtrs x 6 spans	1	204.00			204.00	
	Royal Archade Gate Panel Board to Right Side 1St Pole	1	18.00			18.00	
	1st pole to 7 Th pole 35 Mtrs x 6 spans	1	210.00			210.00	
	Opposite to Allalsandra Lake Gate Panel board to Left side 1st pole	1	12.00			12.00	
	1st pole to 12 th pole 11 Spansx34 Mtrs	1	374.00			374.00	
	Opposite to Allalsandra Lake Gate Panel board to Right side 1st pole	1	18.00			18.00	
	LBS Nagara opp Temple Panal Board To Left Side 1st Pole	1	18.00			18.00	
	LBS Nagara opp Temple Panal Board To Left Side 1st Pole to 2nd pole	1	34.00			34.00	
	LBS Nagara opp Temple Panal Board To Right Side 1st Pole	1	22.00			22.00	
	LBS Nagara opp Temple Panal Board To Right Side 1st Pole to 12th pole 11 Spansx 34 Mtrs	1	374.00			374.00	
	LBS Nagara High Mast Panel to left Side 1st pole	1	28.00			28.00	
	1st pole to 5th pole 4 Spansx 34mtrs	1	136.00			136.00	
	Left side to Right Side Crossing	1	34.00			34.00	
	Right Side BWSSB Side 4 Spans x 34 Mtrs	1	136.00			136.00	
	Opp to Cambridge School 80 feet Road Panel to Left side 1st pole	1	22.00			22.00	
	Left side 1st pole to 11th pole 10 Spans x 36 Mtrs	1	360.00			360.00	
	Opp to Cambridge School 80 feet Road Panel to Right side 1st pole	1	22.00			22.00	
	Right side 1st pole to 12th pole 11 Spans x 36 Mtrs	1	396.00			396.00	
	oop to Blue Dart Courier Service 80Feet Road Panel Board to Right side 1st pole.	1	24.00			24.00	
	Right side 1st pole to 10th pole 10 Spans x 36 Mtrs	1	360.00			360.00	
	oop to Blue Dart Courier Service 80Feet Road Panel Board to Left side 1st pole.	1	24.00			24.00	
	left side 1st pole to 9th pole 8 Spans x 36 Mtrs	1	288.00			288.00	
	Bellary Road 5 Poles 4 Spansx42 Mtrs	1	168.00			168.00	
	BESCOM Pole to Panel Board Near Royal Archade Gate	1	42.00			42.00	
	BESCOM Pole to Opposite to Allalsandra Lake Gate Panel board	1	56.00			56.00	
	BESCOM Pole to LBS Nagara opp Temple Panal Board	1	58.00			58.00	
	BESCOM Pole to Opp to Cambridge School 80 feet Road Panel	1	54.00			54.00	
	BESCOM Pole to Opp to Blue Dart Courier Service 80Feet Road Panel Board	1	70.00			70.00	

	BESCOM Pole to New Road towards Chikkabhomasandra and LBS nagara main road corner Panel board	1	42.00			42.00	
	BESCOM Pole to Panelboard Bellary Main Road	1	66.00			66.00	
					Present Qty	**3684.00**	**Nos**

For M/s SURAKSHA ELECTRICALS

Proprietor

Contractor Consultant

AARTH ASSOCIATES
Authorised Signatory

Assistant Engineer

Asst. Executive Engineer,

Name of Work: Providing and Fixing LED Lights at Yelahanka Division.							
Date of Measurement :							
Detailed Measurements							
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
13	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc.,complete.(As per Civil SR KSRB I-2, P-7)In soil (ordinary)						
		1	2100.00			2100.00	
					Present Qty	**2100.00**	**Mtrs**

For M/s SURAKSHA ELECTRICALS

Proprietor

Contractor

Consultant

Assistant Engineer

Asst. Executive Engineer,

Name of Work: Providing and Fixing LED Lights at Yelahanka Division.							
Date of Measurement :							
Detailed Measurements							
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
14	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc.,complete.(As per Civil SR KSRB I-2, P-7)Asphalt cutting						
					Present Qty	**0.00**	**Mtrs**

For M/s SURAKSHA ELECTRICALS

Proprietor Contractor Consultant Assistant Engineer Asst. Executive Engineer,

Name of Work: Providing and Fixing LED Lights at Yelahanka Division.							
Date of Measurement :							
Detailed Measurements							
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
15	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments 1.5sqmm						
	Poles 10 Mtrs x 3 Runs x92 Nosx 2 Sides =5520 Mtrs	1	5520.00			5520.00	
	Centre Pole 3 Mtrs x 3 Runs x92 Poles = 828 Mtrs	1	828.00			828.00	
	Panel Board 6 Nos x 23 Mtrs = 138 Mtrs	1	138.00			138.00	
					Present Qty	**6486.00**	**Mtrs**
					Upto 125%	**5000.00**	**Mtrs**
					Above 125%	**1486.00**	**Mtrs**

For M/s SURAKSHA ELECTRICALS

Proprietor

MARUTI ASSOCIATES Authorised Signatory

Contractor Consultant Assistant Engineer Asst. Executive Engineer,

Name of Work: Providing and Fixing LED Lights at Yelahanka Division.							
Date of Measurement :							
Detailed Measurements							
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
16	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than .25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.40mm						
	BESCOM Tapping Pole For Service Main Cable 6 Panels x 3 Mtrs =18 Mtrs	1	18.00			18.00	
	Road Crossing Near BWSSb 12 Mtrs	1	12.00			12.00	
					Present Qty	**30.00**	**Mtrs**

For M/s SURAKSHA ELECTRICALS

Proprietor

Contractor

Consultant

Assistant Engineer

Asst. Executive Engineer,

Name of Work: Providing and Fixing LED Lights at Yelahanka Division.

Date of Measurement :

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
17	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.35Sqmm						
	6 Nos Service Main Cables	6				6.00	
					Present Qty	**6.00**	**Nos**

For M/s SURAKSHA ELECTRICALS

Proprietor

Contractor

ARTI ASSOCIATE Authorised Signatory

Consultant

Assistant Engineer

Asst. Executive Engineer,

Name of Work: Providing and Fixing LED Lights at Yelahanka Division.							
Date of Measurement :							
Detailed Measurements							
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
18	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.25 sqmm Long Barrel						
	Each pole 8 Nos x 92 poles = 736 Nos	736				736.00	
					Present Qty	**736.00**	**Nos**
					Limiited to	**600.00**	**Nos**

For M/s SURAKSHA ELECTRICALS

Proprietor

Contractor Consultant Assistant Engineer Asst. Executive Engineer,

Name of Work: Providing and Fixing LED Lights at Yelahanka Division.

Date of Measurement :

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
19	Supplying fixing and wiring earth electrode for grounding of lifts, transformers, DG sets etc. using 40mm dia 2.9mm thick 2.5 mtr long GI pipe with GI funnel with mesh and suitable size reducer fixed on the top of the earth electrode.The funnel should be enclosed in a CC chamber of 400x400x400mm with a cast iron cover. The earth electrode shall have staggered holes of 12mm dia and the electrode should be covered 150mm all-round with alternate layers of salt and charcoal from the bottom of the CC chamber. The connection from the electrode is to be established through GI strip using GI bolts and nuts.						
	Allalssundra Flyover to Yes Bank (Via Janapriya Appartment, Swimming pool, LBS Nagara and 80 Feet Road)	12				12.00	
					Present Qty	**12.00**	**Nos**
					Upto 125%	**10.00**	**Nos**
					Above 125%	**2.00**	**Nos**

29/3/24

For M/s SURAKSHA ELECTRICALS

Proprietor

Contractor

MARTIN ASSOCIATES Authorised Signatory

Consultant

Assistant Engineer

Asst. Executive Engineer,